

PRODUCT INTRODUCTION

eBox-TCP-01

—Serial Port Networking Server



Dear user: Thanking you for selecting our product!

Product Introduction

eBox-TCP-01 is a kind of serial port networking server which can make our company's solar controller and inverter be with Ethernet communication function, and centrally monitor and manage the decentralized solar controllers and inverter s via the Ethernet network. Support TCP, UDP and Telnet protocols, support past-gateway, cross- routing communication, etc.. Simple and convenient to operate, it can set the IP address easily through the PC management and configuration tool.

Main features:

- Support the conversion of solar controller and inverter serial port to Ethernet, and realize the function of LAN and cross-network remote monitoring
- Brand new Cortex-M3 core, carefully optimized TCP/IP protocol stack, stable and reliable
- Adopt the interface mode of standard network cable
- No need to install any drives, and with high compatibility
- Communication distance up to 140 m(Max.)
- No external power supply
- 10M/100M Adaptive Ethernet port
- One-key restore the factory settings

Product Features



①RS485 Port(RJ45):Used for connecting the solar controller or inverter with RS485 as the communication bus

②RS232 Port [Reserved port]: Used for connecting the solar controller or inverter with RS485 as the communication bus

③ Ethernet Port(RJ45):Used to connect with a PC or switchboard

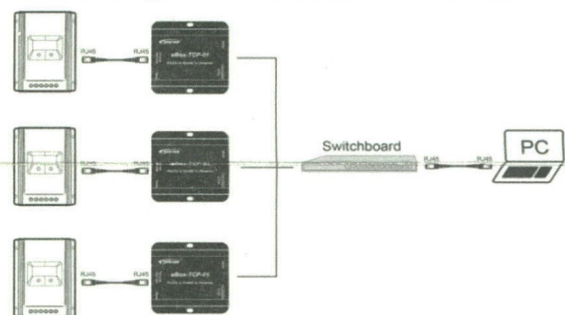
④Reload button: One-key restore the factory settings

System Connection Diagram

Schematic diagram of single unit connection:



Schematic diagram of multi units connection:



Note: It is just OK to use the standard network cable (Parallel cable) as the connecting wire for connection!

Applicable Models

Applicable Models							
Series	SHI/STI	LS-B	VS-BN	Trace r-BN	Trace r-A	iTracer	eTracer
Com. way	RS485					RS485,RS232	
Controller interface	RJ45					3.81-4P	

Operating instructions and supporting software

For details, please refer to the operation manual of this product!

Technical Specifications

Item	Models	eBox-TCP-01
Input Voltage		5VDC(Direct powered by RS485 port)
Standby power consumption		0.20W
Operation power consumption		0.32W
Communication distance		140m (Ethernet: 100m, RS485: 40m)
Ethernet port		10M/100M Adaptive
Port baud rate		300bps~230400bps(Default 115200)
Communication		RS485 to TCP/IP
Interface type		RJ45
Connecting cable		standard network cable (Parallel cable)
Overall dimension		71*70.5*25.25mm
Mounting dimension		64mm
Mounting hole size		Φ3.5
Working temperature		-25~75℃
Enclosure		IP30
Net weight		84g

Any changes without prior notice! Version number: V1.0